

PATENT
USSN 10/053,758
Docket 002980US; 018/183

CLAIM AMENDMENTS

1. *(Currently amended)* A monoclonal or recombinant antibody or antigen binding fragment thereof that specifically binds to human telomerase reverse transcriptase (hTERT) protein ~~having the sequence provided in SEQ. ID NO:225 (SEQ. ID NO:225).~~
2. *(Currently amended)* An antibody fragment that specifically binds to hTERT protein ~~having the sequence provided in SEQ. ID NO:225 (SEQ. ID NO:225).~~
3. *(Original)* The antibody fragment of claim 2, which is an Fab fragment or an F(ab')₂ fragment.
4. *(Currently amended)* The antibody or antigen binding fragment of claim 1, which is a ~~chimeric~~ human antibody.
5. *(Currently amended)* The antibody or antigen binding fragment of claim 1, which ~~has a single chain~~ is a single chain antibody.
6. *(Currently amended)* A ~~pharmaceutical~~ composition comprising the antibody or antigen binding fragment of claim 1 and a pharmaceutically acceptable carrier.
7. *(Currently amended)* The antibody or antigen binding fragment of claim 1, having a reporter molecule or label that is covalently or noncovalently bound.
8. *(Currently amended)* The antibody or antigen binding fragment of claim 7, wherein the reporter molecule or label is selected from an enzyme, a fluorescent agent, a chemiluminescent agent, a chromatogenic agent, and a magnetic particle.
9. *(Currently amended)* A method of identifying ~~a polypeptide~~ hTERT in a biological sample, comprising:
 - a) combining the biological sample with a monoclonal or recombinant antibody or antigen binding fragment thereof that ~~can bind hTERT protein having the sequence provided in SEQ. ID NO:225~~ specifically binds hTERT protein (SEQ. ID NO:225), under conditions where the antibody or fragment ~~will form~~ forms a complex with hTERT protein;
 - b) detecting complex formed as a result of a); and
 - c) identifying the sample as containing ~~at least a portion of~~ hTERT protein if an antibody: protein complex is detected.

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10. *(Original)* The method of claim 9, which is an enzyme-linked immunosorbant assay method.
11. *(Original)* The method of claim 9, which is a radioimmunoassay method.
12. *(Original)* The method of claim 9, wherein the detecting comprises fluorescent activated cell sorting.
13. *(Currently amended)* A method of detecting an hTERT polypeptide in a biological sample, comprising:
 - a) combining the biological sample with a monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 1, under conditions where an antibody will ~~form~~ forms a complex with hTERT protein (SEQ. ID NO:2); and
 - b) detecting ~~any~~ complex formed between the antibody or antigen binding fragment and ~~hTERT protein~~ the hTERT polypeptide.
14. *(Original)* The method of claim 13, which is an enzyme-linked immunosorbant assay method.
15. *(Original)* The method of claim 13, which is a radioimmunoassay method.
16. *(Original)* The method of claim 13, wherein the detecting comprises fluorescent activated cell sorting.
17. *(Currently amended)* A method of generating an antibody that specifically binds hTERT protein, comprising immunizing a host with ~~a composition comprising a protein or peptide that contains an amino acid sequence selected from any 5-1100 contiguous amino acids in SEQ. ID NO:225~~ a composition comprising hTERT protein (SEQ. ID NO:225).
- 18 and 19. *(Cancelled)*
20. *(Original)* The method of claim 17, wherein the composition further comprises an adjuvant.
- 21 and 22. *(Cancelled)*